

ABSTRACT OF THE INVENTION

A game controller for communication between a user and an electronic
5 game device transmitting signals to a receiver. The game controller identifies
weakness in signal strength or operation and permits adjustment to a more
effective operating frequency. The game controller comprises a portable
housing, game controller keys attached to the housing for permitting the user to
generate signals, a radio frequency sender engaged with the game controller
10 keys for transmitting the signals to the receiver; and a controller attached to
sender for determining a selected parameter regarding the signals and for
communicating the parameter to the user. The radio frequency sender is
capable of transmitting signals over multiple frequencies and preferable operates
with the Remote Band frequency range. At least one of the keys can be
15 operable by the user to change the signal frequency or the controller can
automatically change the signal frequency to a more effective frequency. The
controller can be capable of identifying parameters regarding the signal such as
the signal strength and is capable of polling information over one or more
discrete time periods. Information regarding the signal can be communicated
20 with a display such as a light.